





PAGER Version 3

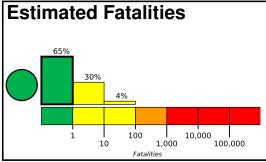
10.000

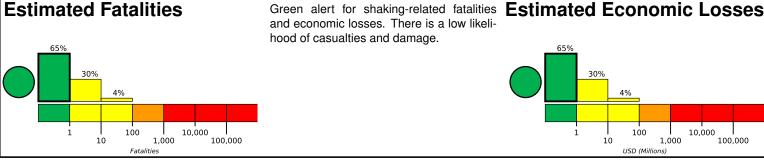
100,000

Created: 3 hours, 26 minutes after earthquake

M 4.5, 13km SSW of Searles Valley, CA

Origin Time: 2019-07-04 19:21:32 UTC (Thu 12:21:32 local) Location: 35.6713° N 117.4803° W Depth: 3.0 km





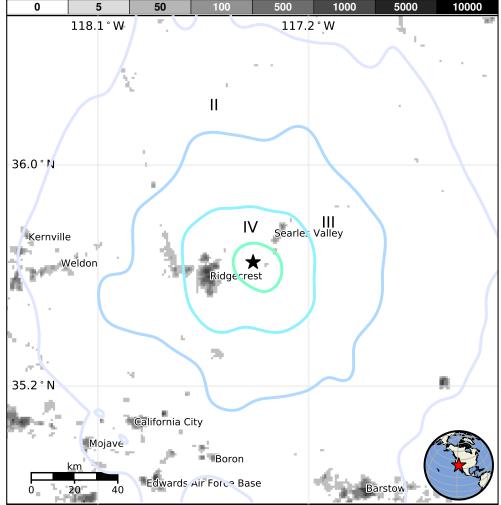
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		59k*	95k	44k	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	11-111	IV	V	VI	VII	VIII	IX	X+
PERCEIVE	SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
DAMAGE	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

^{*}Estimated exposure only includes population within the map area.

Population Exposure

population per 1 sq. km from Landscan



PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty. https://earthquake.usgs.gov/earthquakes/eventpage/ci38443871#pager

Structures

Overall, the population in this region resides in structures that are highly resistant to earthquake shaking, though some vulnerable structures exist. The predominant vulnerable building types are unreinforced brick masonry and reinforced masonry construction.

Historical Earthquakes

Date		Dist.	Mag.	Max	Shaking	
	(UTC)	(km)		MMI(#)	Deaths	
	1991-06-28	166	5.6	VI(1,267k)	1	
	2003-12-22	324	6.6	VI(8k)	2	
	1971-02-09	163	6.6	IX(21k)	65	

Recent earthquakes in this area have caused secondary hazards such as landslides and liquefaction that might have contributed to losses.

Selected City Exposure

from GeoNames.org					
MMI	City	Population			
IV	Searles Valley	2k			
IV	Ridgecrest	28k			
IV	China Lake Acres	2k			
Ш	Inyokern	1k			
II	Weldon	3k			
II	North Edwards	1k			
II	Barstow	23k			
II	Barstow Heights	24k			
II	California City	14k			
1	Tehachapi	14k			
1	Rosamond	18k			

bold cities appear on map.

(k = x1000)

Event ID: ci38443871